

Index of Subjects

Volume 114, 1984

Albumin
 accumulation in injured arteries, 112

Amyloid
 in prosthetic heart valves, 431

Angiotensin II
 and glomerular podocyte alterations, 157

Animal models of human disease
 glomerulonephritis, proliferative, 346
 hydrocephalus, 184
 pulmonary granulomatous vasculitis, 515

Arachidonic acid
 metabolites affecting Ia antigen expression on granuloma macrophages, 240

Atherosclerosis
 chemical carcinogens as factors in, 403
 in superficial femoral arteries, 79
 unesterified cholesterol in lesions of, 201

Brain
 spiroplasma infection in, 496

Breast cancer
 endocrine organ metastases from, 131

Calcitonin
 in pheochromocytomas, 56

Calcium
 binding protein in squamous epithelia, 454

Catecholamines
 in ischemic myocardium, 64

Chagas' disease
 and experimental cardiomyopathy, 209

Cholesterol
 unesterified, in atherosclerosis lesions, 201

Colony-stimulating factor
 microassay for, 149

Complement
 lung injury from, 32
 and lung vascular permeability, 410

Corticotropin
 in pheochromocytomas, 56

Cytokeratin antibodies, 309
 characterization of, 9
 and typing of carcinomas, 121

Diabetes
 retroviral antigens in, 46

β -Endorphin
 in pheochromocytomas, 56

Enkephalin
 in pheochromocytomas, 56

Fibroblasts
 cultured, compared to myofibroblasts, 187

Filament proteins
 distribution in tissues, 309

Fluorescent probes
 interacting with lymphocytes, radiation affecting, 301

Foamy cells
 macrophage, and platelet phagocytosis, 104

Glucan
 inducing pulmonary granulomatous vasculitis, 515

Gold Headed Cane Award, 3

Granulomas
 hepatic, in murine leishmaniasis, 222
 and Ia antigen expression by macrophages, 240
 in pulmonary vasculitis induced by glucan, 515

Heart
 amyloid in prosthetic valves, 431
 atrial damage from monensin, 367
 catecholamines in ischemic areas, 64
 endocardium affected by isoproterenol, 231
 experimental chagasic cardiomyopathy, 209

Hurler's syndrome
 and canine mucopolysaccharidosis I, 487

Hydrocephalus
 animal model of, 184

Hypersensitivity
 delayed, and trypsinlike protease in skin sites, 250

α -L-Iduronidase deficiency
 canine, 487

Immune reactions
 and bystander demyelination, 443

Immunodeficiency
 acquired, in rhesus monkeys, 94

Immunoperoxidase
 staining of melanoma colonies, 380

Indomethacin
 and Ia antigen expression on granuloma macrophages, 240

Intestinal peptide
 vasoactive, in pheochromocytomas, 56

Isoproterenol
 endothelial changes from, 231

Keratin proteins
 in lung carcinomas, 273

Kidney
 glomerular podocyte alterations, 157
 proliferative glomerulonephritis in animal model, 346

Leishmaniasis
 cutaneous, 137
 murine, hepatic granulomas in, 222

Leukemia
 nude mice models of, 360

Lipoprotein
 accumulation in injured arteries, 112

Liver
 chemical hepatocarcinogenesis, 287
 granulomas in murine leishmaniasis, 222
 morphometry of HBsAg-positive hepatocytes, 217
 oval cell proliferation in, 418

pathology in graft biopsies, 18
 peliosis hepatitis, 349
 peroxisome proliferation induced in animals, 171

Lung
 animal model of granulomatous vasculitis, 515
 complement-induced injury, 32
 keratin proteins in carcinomas, 273
 vascular permeability changes, 410
 venous changes from 3-methylindole, 472
 virus-induced damage in infancy, 322

Lymphocytes
 Ig in germinal center cells, 396
 interaction of fluorescent probes with, radiation affecting, 301
 markers of B cells, 387
 polyclonal B cell activation in induced glomerulonephritis, 346

Macrophages
 foamy, and platelet phagocytosis, 104
 granuloma, Ia antigen expression in, 240

Melanoma colonies
 immunoperoxidase staining of, 380

Monensin
 cardiotoxicity of, 367
 myotoxicosis from, 461

Monoclonal antibodies
 to cytokeratins, 9, 309
 and typing of carcinomas, 121
 in immunoperoxidase staining of melanoma colonies, 380
 to intermediate filament proteins, 309
 and marker expression of B lymphocytes, 387

Mucopolysaccharidosis I
 canine, 487

Muscle
 monensin myotoxicosis, 461
 Z-protein of, 164

Myelin
 and bystander demyelination, 443

Myofibroblasts
 cultured, compared to fibroblasts, 187

Neoplasia
 carcinogen-associated aortic lesions, 403
 chemical hepatocarcinogenesis, 287
 cytokeratin antibody studies in, 9, 121
 endocrine organ metastases from breast cancer, 131
 histogenesis of clear cell sarcoma, 264
 immunohistochemistry of pheochromocytomas, 56
 immunoperoxidase staining of melanoma colonies, 380
 keratin protein in lung carcinomas, 273
 oval cells in hepatocellular carcinoma, 418
 skin calcium-binding protein in squamous epithelia, 454
 Z-protein in myogenic tumors, 164

Nervous tissue
 bystander demyelination of, 443
 spiroplasma infection in brain, 496

Neuropeptides
 in pheochromocytomas, 56

Oval cells
 in hepatocellular carcinoma, 418

Pancreas
 intracisternal type A particles in B cells, 46

Peliosis
 liver lesions in, 349

Peroxisome
 hepatic, induced proliferation in animals, 171

Pheochromocytoma
 immunohistochemical study of, 56

Platelets
 aggregation of
 in experimental chagasic cardiomyopathy, 209
 in Montreal platelet syndrome, 336
 phagocytosis of, and foamy cell formation, 104

Prostaglandins
 and Ia antigen expression on granuloma macrophages, 240

Protease
 trypsinlike, in delayed-type response, 250

Radiation
 and fluorescent probes interacting with lymphocytes, 301

Retroviruses
 and diabetes, 46

Skin
 calcium-binding protein in squamous epithelia, 454
 in leishmaniasis, 137

Somatostatin
 in pheochromocytomas, 56

Spiroplasma
 infection in brain, 496

Thymidine
 incorporation assay for colony-stimulating factor, 149

Transplantation
 of liver, biopsy pathology in, 18

Trypanosomiasis
 and experimental cardiomyopathy, 209

Tumors. See Neoplasia

Uterine cervix
 skin calcium-binding protein in squamous metaplasia of, 454

Vasculature
 animal model of pulmonary granulomatous vasculitis, 515
 atherosclerosis in superficial femoral arteries, 79
 carcinogen-associated aortic lesions, 403
 lipoprotein accumulation in injured arteries, 112
 lung vascular permeability, 410
 pulmonary venous changes from 3-methylindole, 472
 unesterified cholesterol in atherosclerosis lesions, 201

Vimentin
 monoclonal antibodies to, 309

Viruses
 and lung damage in infancy, 322
 retroviral antigens in diabetes, 46

Wound healing
 and studies of cultured myofibroblasts, 187

Z-protein
 in myogenic tumors, 164

Index of Authors

Volume 114, 1984

Akizuki A: See Ishihara T, Akizuki S, Yokota T, Takahashi M, Uchino F, Matsumoto N, 104

Anderson RE: See Standefer JC, Anderson RE, Wilder M, Martin J, 301

Andrade ZA, Reed SG, Roters SB, Sadigursky M: Immunopathology of experimental cutaneous leishmaniasis (January), 137

Atwal OS, Persofsky MS: Ultrastructural changes in intracaval pulmonary veins: Relationship to 3-methylindole-induced acute pulmonary edema and pulmonary arterial changes in cattle (March), 472

Banks-Schlegel SP, McDowell EM, Wilson TS, Trump BF, Harris CC: Keratin proteins in human lung carcinomas: Combined use of morphology, keratin immunocytochemistry and keratin immunoprecipitation (February), 273

Bastian FO, Purnell DM, Tully JG: Neuropathology of spiroplasma infection in the rat brain (March), 496

Bastastini G, Penna A: An ultrastructural comparison of carcinogen-associated and spontaneous aortic lesions in the cockerel (March), 403

Baudelot A-M: See Zafrani ES, Cazier A, Baudelot A-M, Feldmann G, 349

Blumenstock FA: See Johnson A, Blumenstock FA, Hussain M, Malik AB, 410

Boulas J: See Muntz KH, Hagler HK, Boulas J, Willerson JT, Buja LM, 64

Braheny SL: See Powell HC, Braheny SL, Hughes RAC, Lampert PW, 443

Brigham KL: See Meyrick BO, Brigham KL, 32

Buja LM: See Muntz KH, Hagler HK, Boulas J, Willerson JT, Buja LM, 64

Castleman WL: Alterations in pulmonary ultrastructure and morphometric parameters induced by parainfluenza (Sendai) virus in rats during postnatal growth (February), 322

Cavallo T, Goldman M, Lambert P-H: Animal model of human disease: Proliferative glomerulonephritis associated with polyclonal B cell activation (February), 346

Cazier A: See Zafrani ES, Cazier A, Baudelot A-M, Feldmann G, 349

Charpin C: See Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M, 56

Chen M-L, Gerber MA, Thung SN, Thornton JC, Chung WK: Morphometric study of hepatocytes containing hepatitis B surface antigen (February), 217

Chensue SW: See Kunkel SL, Chensue SW, Plewa M, Higashi GI, 240

Chiao JW: See Potter GK, Shen RN, Chiao JW, 360

Chinookoswong N: See Kohn DF, Chinookoswong N, Chou SM, 184

Chou SM: See Kohn DE, Chinookoswong N, Chou SM, 184

Chung WK: See Chen M-L, Gerber MA, Thung SN, Thornton JC, Chung WK, 217

Constantopoulos G: See Shuill RM, Helman RG, Spellacy E, Constantopoulos G, Munger RH, Neufeld EF, 487

Debus E, Moll R, Franke WW, Weber K, Osborn M: Immunohistochemical distinction of human carcinomas by cytookeratin typing with monoclonal antibodies (January), 121

De la Monte S, Hutchins GM, Moore GW: Endocrine organ metastases from breast carcinoma (January), 131

Delezoide AL: See Pavlovitch JH, Delezoide AL, Diderjean L, Saurat JH, Pfister A, 454

Didierjean L: See Pavlovitch JH, Delezoide AL, Didierjean L, Saurat JH, Pfister A, 454

Eggink HF, Hofstee N, Gips CH, Krom RAF, Houthoff HJ: Histopathology of serial graft biopsies from liver transplant recipients (January), 18

Ekem JK: See Tatematsu M, Ho RH, Kaku T, Ekem JK, Farber E, 418

Falcone DJ, Hajjar DP, Minick CR: Lipoprotein and albumin accumulation in reendothelialized and deendothelialized aorta (January), 112

Farber E: See Tatematsu H, Ho RH, Kaku T, Ekem JK, Farber E, 418

Feldmann G: See Zafrani ES, Cazier A, Baudelot A-M, Feldmann G, 349

Ferrans VJ: See Van Vleet JF, Ferrans VJ, 367, 461

Fitch FW: See Prystowsky MB, Naujokas MF, Ihle JN, Goldwasser E, Fitch FW, 149

Franke WW: See Debus E, Moll R, Franke WW, Weber K, Osborn M, 121

Frojmovic MM: See Milton JG, Frojmovic MM, Tang SS, White JG, 336

Gardner MB: See Osborn KG, Prahalada S, Lowenstein LJ, Gardner MB, Maul DH, Henrikson RV, 94

Gerber MA: See Chen M-L, Gerber MA, Thung SN, Thornton JC, Chung WK, 217

Gips CH: See Eggink HF, Hofstee N, Gips CH, Krom RAF, Houthoff HJ, 18

Giraud P: See Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M, 56

Glovsky M: See Johnson KJ, Glovsky M, Schrier D, 515

Goffin YA, Gruijs E, Sorenson GD, Wellens F: Amyloid deposits in bioprosthetic cardiac valves after long term implantation in man: A new localization of amyloidosis (March), 431

Goldman M: See Cavallo T, Goldman M, Lambert P-H, 346

Goldwasser E: See Prystowsky MB, Naujokas MF, Ihle JN, Goldwasser E, Fitch FW, 149

Goncalves S: See Rossi MA, Goncalves S, Ribeiro-dos-Santos R, 209

Gown AM, Vogel AM: Monoclonal antibodies to human intermediate filament proteins: II. Distribution of filament proteins in normal human tissues (February), 309

Gruijs E: See Goffin YA, Gruijs E, Sorenson GD, Wellens F,

431

Gutierrez Y, Maksem JA, Reiner NE: Pathologic changes in murine leishmaniasis (*Leishmania donovani*) with special reference to the dynamics of granuloma formation in the liver (February), 222

Hagler HK: See Muntz KH, Hagler HK, Boulas J, Willerson JT, Buja LM, 64

Hajjar DP: See Falcone DJ, Hajjar DP, Minick DR, 112

Hanaoka H: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Harris CC: See Banks-Schlegel SP, McDowell EM, Wilson TS, Trump BF, Harris CC, 273

Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M: Immunohistochemical study of pheochromocytomas: An investigation of methionine-enkephalin, vasoactive intestinal peptide, somatostatin, corticotropin, β -endorphin and calcitonin in 16 tumors (January), 56

Helman RG: See Shull RM, Helman RG, Spellacy E, Constantopoulos G, Munger RJ, Neufeld EF, 487

Henrickson RV: See Osborn KG, Prahalada S, Lowenstein LJ, Gardner MB, Maul DH, Henrickson RV, 94

Henry JF: See Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M, 56

Higashi GI: See Kunkel SL, Chensue SW, Plewa M, Higashi GI, 240

Ho RH: See Tatematsu M, Ho RH, Kaku T, Ekem JK, Farber E, 418

Hofstee N: See Eggink HF, Hofstee N, Gips CH, Krom RAF, Houthoff HJ, 18

Houghton AN: See Nakano GM, Natale RB, Lobuglio AF, Houghton AN, 380

Houthoff HJ: See Eggink HF, Hofstee N, Gips CH, Krom RAF, Houthoff HJ, 18

Hsu S-M, Jaffe ES: Phenotypic expression of B lymphocytes: 1. Identification with monoclonal antibodies in normal lymphoid tissues (March), 387

Hsu S-M, Jaffe ES: Phenotypic expression of B lymphocytes: 2. Immunoglobulin expression of germinal center cells (March), 396

Hughes RAC: See Powell HC, Braheny SL, Hughes RAC, Lampert PW, 443

Huiskens-Van der Mey C: See Van Muijen GNP, Ruiter DJ, Ponec M, Huiskens-Van der Mey C, Warnaar SO, 9

Hussain M: See Johnson A, Blumenstock FA, Hussain M, Malik AB, 410

Hutchins GM: See De la Monte S, Hutchins GM, Moore GW, 131

Ihle JN: See Prystowsky MB, Naujokas MF, Ihle JN, Goldwasser E, Fitch FW, 149

Iri H: See Mukai M, Iri H, Torikata C, Kageyama K, Morikawa Y, Shimizu K, 164

Iri H: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Ishihara T, Akizuki S, Yokota T, Takahashi M, Uchino F, Matsumoto N: Foamy cells associated with platelet phagocytosis (January), 104

Ishimatsu T: See Nakamura T, Yamamoto T, Ishimatsu T, Kambara T, 250

Jaffe ES: See Hsu S-M, Jaffe ES, 387, 396

Johnson A, Blumenstock FA, Hussain M, Malik AB: Differential effects of complement activation induced by cobra venom factor on pulmonary transvascular fluid and protein exchange (March), 410

Johnson KJ, Glosky M, Schrier D: Animal model of human disease: Pulmonary granulomatous vasculitis: Pulmonary granulomatous vasculitis induced in rats by treatment with glucan (March), 515

Kageyama K: See Mukai M, Iri H, Torikata C, Kageyama K, Morikawa Y, Shimizu K, 164

Kageyama K: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Kaku T: See Tatematsu M, Ho RH, Kaku T, Ekem JK, Farber E, 418

Kambara T: See Nakamura T, Yamamoto T, Ishimatsu T, Kambara T, 250

Kawai T: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Kohn DF, Chinookoswong N, Choi SM: Animal model of human disease: Congenital hydrocephalus (January), 184

Krom RAF: See Eggink HF, Hofstee N, Gips CH, Krom RAF, Houthoff HJ, 18

Kruth HS: Localization of unesterified cholesterol in human atherosclerotic lesions: Demonstration of filipin-positive, oil-red-O-negative particles (February), 201

Kuff EL: See Leiter EH, Kuff EL, 46

Kunkel SL, Chensue SW, Plewa M, Higashi GI: Macrophage function in the *Schistosoma mansoni* egg-induced pulmonary granuloma: Role of arachidonic acid metabolites in macrophage Ia antigen expression (February), 240

Lalwani ND: See Reddy JK, Lalwani ND, Qureshi SA, Reddy MK, Moehle CM, 171

Lambert P-H: See Cavallo T, Goldman M, Lambert P-H, 346

Lampert PW: See Powell HC, Braheny SL, Hughes RAC, Lampert PW, 443

Leiter EH, Kuff EL: Intracisternal type A particles in murine pancreatic B cells: Immunocytochemical demonstration of increased antigen (p73) in genetically diabetic mice (January), 46

Lobuglio AF: See Nakano GM, Natale RB, Lobuglio AF, Houghton AN, 380

Lowenstein LJ: See Osborn KG, Prahalada S, Lowenstein LJ, Gardner MB, Maul DH, Henrickson RV, 94

Maksem JA: See Gutierrez Y, Maksem JA, Reiner NE, 222

Malik AB: See Johnson A, Blumenstock FA, Hussain M, Malik AB, 410

Martin J: See Standefer JC, Anderson RE, Wilder M, Martin J, 301

Matsumoto N: See Ishihara T, Akizuki S, Yokota T, Takahashi M, Uchino F, Matsumoto N, 104

Maul DH: See Osborn KG, Prahalada S, Lowenstein LJ, Gardner MB, Maul DH, Henrickson RV, 94

McDowell EM: See Banks-Schlegel SP, McDowell EM, Wilson TS, Trump BF, Harris CC, 273

Meyrick BO, Brigham KL: The effect of a single infusion of zymosan-activated plasma on the pulmonary microcirculation of sheep: Structure-function relationships (January), 32

Mikata A: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Milton JG, Frojmovic MM, Tang SS, White JG: Spontaneous platelet aggregation in a hereditary giant platelet syndrome (MPS) (February), 336

Minick DR: See Falcone DJ, Hajjar DP, Minick DR, 112

Moehle CM: See Reddy JK, Lalwani ND, Qureshi SA, Reddy MK, Moehle CM, 171

Moll R: See Debus R, Moll R, Franke WW, Weber K, Osborn M, 121

Monges G: See Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M, 56

Moore GW: See De la Monte S, Hutchins GM, Moore GW, 131

Morikawa Y: See Mukai M, Iri H, Torikata C, Kageyama K, Morikawa Y, Shimizu K, 164

Mukai M, Iri H, Torikata C, Kageyama K, Morikawa Y,

Shimizu K: Immunoperoxidase demonstration of a new muscle protein (Z-protein) in myogenic tumors as a diagnostic aid (January), 164

Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yamamaru K, Kageyama K: Histogenesis of clear cell sarcoma of tendons and aponeuroses: An electron-microscopic, biochemical, enzyme histochemical and immunohistochemical study (February), 264

Munger RH: See Shull RM, Helman RG, Spellacy E, Constantopoulos G, Munger RH, Neufeld EF, 487

Munta KH, Hagler HK, Boulas J, Willerson JT, Buja LM: Redistribution of catecholamines in the ischemic zone of the dog heart (January), 64

Nakamura T, Yamamoto T, Ishimatsu T, Kambara T: A high-molecular-weight trypsinlike protease in the skin sites of delayed hypersensitivity in guinea pigs (February), 250

Nakano GM, Natale RB, Lobuglio AF, Houghton AN: Immunoperoxidase staining of early human melanoma colonies with monoclonal antibodies: A new method for *in vitro* antigenic-morphologic correlation (March), 380

Natale RB: See Nakano GM, Natale RB, Lobuglio AF, Houghton AN, 380

Naujokas MF: See Prystowsky MB, Naujokas MF, Ihle JN, Goldwasser E, Fitch FW, 149

Neufeld EF: See Shull RM, Helman RG, Spellacy E, Constantopoulos G, Munger RH, Neufeld EF, 487

Noronha-Dutra AA, Steen EM, Woolf N: The early changes induced by isoproterenol in the endocardium and adjacent myocardium (February), 231

Osborn KG, Prahala S, Lowenstein LJ, Gardner MB, Maul DH, Henrickson RV: The pathology of an epizootic of acquired immunodeficiency in rhesus macaques (January), 94

Osborn M: See Debus E, Moll R, Franke WW, Weber K, Osborn M, 121

Pavlovitch JH, Delezioide AL, Didierjean L, Saurat JH, Pfister A: Skin calcium binding protein in squamous metaplasia of human uterine cervix (March), 454

Payan H: See Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M, 56

Penn A: See Batastini G, Penn A, 403

Persofsky MS: See Atwal OS, Persofsky MS, 472

Pfister A: See Pavlovitch JH, Delezioide AL, Didierjean L, Saurat JH, Pfister A, 454

Plewa M: See Kunkel SL, Chensue SW, Plewa M, Higashi GI, 240

Ponec M: See Van Muijen GNP, Ruiter DJ, Ponec M, Huiskens-Van der Mey C, Warnaar SO, 9

Potter GK, Shen RN, Chiao JW: Nude mice as models for human leukemia studies (March), 360

Powell HC, Braheny SL, Hughes RAC, Lampert PW: Antigen-specific demyelination and significance of the bystander effect in peripheral nerves (March), 443

Prahala S: See Osborn KG, Prahala S, Lowenstein LJ, Gardner MB, Maul DH, Henrickson RV, 94

Prozialeck DH: See Racusen LC, Prozialeck DH, Solez K, 157

Prystowsky MB, Naujokas MF, Ihle JN, Goldwasser E, Fitch FW: A microassay for colony-stimulating factor based on thymidine incorporation (January), 149

Purnell DM: See Bastian FO, Purnell DM, Tully JG, 496

Qureshi SA: See Reddy JK, Lalwani ND, Qureshi SA, Reddy MK, Moehle CM, 171

Racusen LC, Prozialeck DH, Solez K: Glomerular epithelial cell changes after ischemia or dehydration: Possible role of angiotensin II (January), 157

Reddy JK, Lalwani ND, Qureshi SA, Reddy MK, Moehle CM: Induction of hepatic peroxisome proliferation in nonrodent species, including primates (January), 171

Reddy MK: See Reddy JK, Lalwani ND, Qureshi SA, Reddy MK, Moehle CM, 171

Reed SG: See Andrade ZA, Reed SG, Roters SB, Sadigursky M, 137

Reiner NE: See Gutierrez Y, Maksem JA, Reiner NE, 222

Ribeiro-dos-Santos R: See Rossi MA, Gonçalves S, Ribeiro-dos-Santos R, 209

Ross R, Wight TN, Strandness E, Thiele B: Human atherosclerosis: I. Cell constitution and characteristics of advanced lesions of the superficial femoral artery (January), 79

Rossi MA, Gonçalves S, Ribeiro-dos-Santos R: Experimental *Trypanosoma cruzi* cardiomyopathy in BALB/c mice: The potential role of intravascular platelet aggregation in its genesis (February), 209

Roters SB: See Andrade ZA, Reed SG, Roters SB, Sadigursky M, 137

Rudolph R: See Vande Berg JS, Rudolph R, Woodward M, 187

Ruiter DJ: See Van Muijen GNP, Ruiter DJ, Ponec M, Huiskens-Van der Mey C, Warnaar SO, 9

Sadigursky M: See Andrade ZA, Reed SG, Roters SB, Sadigursky M, 137

Salman J: See Sell S, Salman J, 287

Saurat JH: See Pavlovitch JH, Delezioide AL, Didierjean L, Saurat JH, Pfister A, 454

Schrider D: See Johnson KJ, Glosky M, Schrier D, 515

Sell S, Salman J: Light- and electron-microscopic autoradiographic analysis of proliferating cells during the early stages of chemical hepatocarcinogenesis in the rat induced by feeding N-2-fluorenylacetamide in a choline-deficient diet (February), 287

Shen RN: See Potter GK, Shen RN, Chiao JW, 360

Shimizu K: See Mukai M, Iri H, Torikata C, Kageyama K, Morikawa Y, Shimizu K, 164

Shull RM, Helman RG, Spellacy E, Constantopoulos G, Munger RH, Neufeld EF: Morphologic and biochemical studies of canine mucopolysaccharidosis I (March), 487

Solez K: See Racusen LC, Prozialeck DH, Solez K, 157

Sorenson GD: See Goffin YA, Grusys E, Sorenson GD, Wellens F, 431

Spellacy E: See Shull RM, Helman RG, Spellacy E, Constantopoulos G, Munger RH, Neufeld EF, 487

Standee JC, Anderson RE, Wilder M, Martin J: Effects of irradiation on the interaction of fluorescent probes with lymphocytes (February), 301

Steen EM: See Noronha Dutra AA, Steen EM, Woolf N, 231

Strandness E: See Ross R, Wight TN, Strandness E, Thiele B, 79

Takahashi M: See Ishihara T, Akizuki S, Yokota T, Takahashi M, Uchino F, Matsumoto N, 104

Tang SS: See Milton JG, Frojmovic MM, Tang SS, White JG, 336

Tatematsu M, Ho RH, Kaku T, Ekem JK, Farber E: Studies on the proliferation and fate of oval cells in the liver of rats treated with 2-acetylaminofluorene and partial hepatectomy (March), 418

Thiele B: See Ross R, Wight TN, Strandness E, Thiele B, 79

Thornton JC: See Chen M-L, Gerber MA, Thung SN, Thornton JC, Chung WK, 217

Thung SN: See Chen M-L, Gerber MA, Thung SN, Thornton JC, Chung WK, 217

Toga M: See Hassoun J, Monges G, Giraud P, Henry JF, Charpin C, Payan H, Toga M, 56

Torikata C: See Mukai M, Iri H, Torikata C, Kageyama K, Morikawa Y, Shimizu K, 164

Torikata C: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Trump BF: See Banks-Schlegel SP, McDowell EM, Wilson TS, Trump BF, Harris CC, 273

Tully JG: See Bastian FO, Purnell DM, Tully JG, 496

Uchino F: See Ishihara T, Akizuki S, Yokota T, Takahashi M, Uchino F, Matsumoto N, 104

Van Vleet JF, Ferrans VJ: Ultrastructural alterations in the atrial myocardium of pigs with acute monensin toxicosis (March), 367

Van Vleet JF, Ferrans VJ: Ultrastructural alterations in skeletal muscle of pigs with acute monensin myotoxicosis (March), 461

Van Muijen GNP, Ruiter DJ, Ponec M, Huiskens-Van der Mey C, Warnaar SO: Monoclonal antibodies with different specificities against cytokeratins: An immunohistochemical study of normal tissues and tumors (January), 9

Vande Berg JS, Rudolph R, Woodward M: Comparative growth dynamics and morphology between cultured myofibroblasts from granulating wounds and dermal fibroblasts (February), 187

Vogel AM: See Gown AM, Vogel AM, 309

Warnaar SO: See Van Muijen GNP, Ruiter DJ, Ponec M, Huiskens-Van der Mey C, Warnaar SO, 9

Weber K: See Debus E, Moll R, Franke WW, Weber K, Osborn M, 121

Wellens F: See Goffin YA, Gruys E, Sorenson GD, Wellens F, 431

White JG: See Milton JG, Frojmovic MM, Tang SS, White JG, 336

Wight TN: See Ross R, Wight TN, Strandness E, Thiele B, 79

Wilder M: See Standefer JC, Anderson RE, Wilder M, Martin J, 301

Willerson JT: See Muntz KH, Hagler HK, Boulas J, Willerson JT, Buja LM, 64

Wilson TS: See Banks-Schlegel SP, McDowell EM, Wilson TS, Trump BF, Harris CC, 273

Wissler RW: Gold Headed Cane Award

Woodward M: See Vande Berg JS, Rudolph R, Woodward M, 187

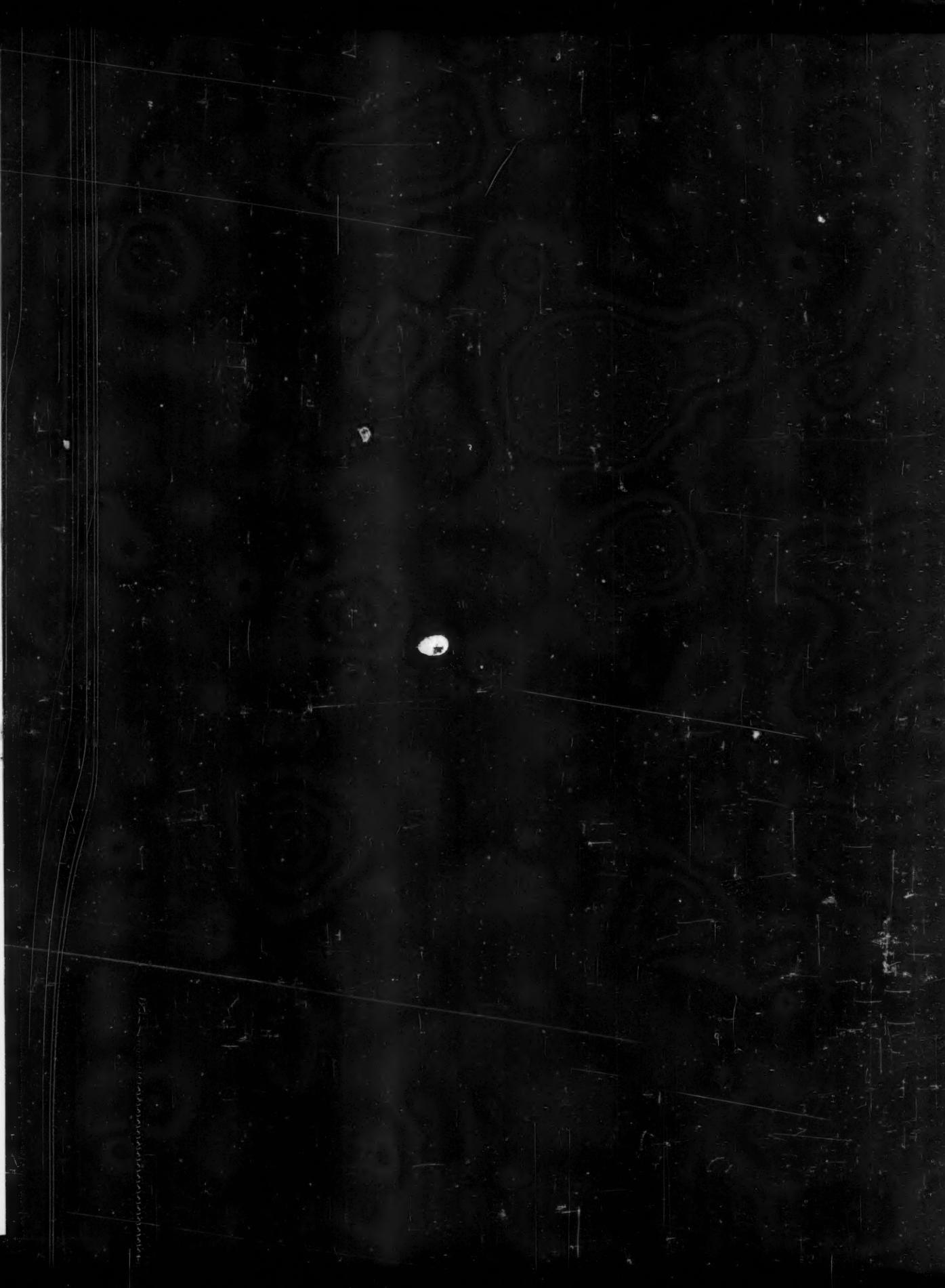
Woolf N: See Koronha-Dutra AA, Steen EM, Woolf N, 231

Yakumaru K: See Mukai M, Torikata C, Iri H, Mikata A, Kawai T, Hanaoka H, Yakumaru K, Kageyama K, 264

Yamamoto T: See Nakamura T, Yamamoto T, Ishimatsu T, Kambara T, 250

Yokota T: See Ishihara T, Akizuki S, Yokota T, Takahashi M, Uchino F, Matsumoto N, 104

Zafrani ES, Cazier A, Baudelot A-M, Feldmann G: Ultrastructural lesions of the liver in human peliosis: A report of 12 cases (March), 349



The American Journal of PATHOLOGY

CONTENTS FOR VOLUME 114, 1984

January 1984

1 Presentation of the Gold Headed Cane Award to Robert W. Wissler

9 Monoclonal Antibodies With Different Specificities Against Cytokeratins: An Immunohistochemical Study of Normal Tissues and Tumors
Goos N. P. van Muijen, Dirk J. Ruiter, Maja Ponec, Coby Huiskens-van der Mey, and Sven O. Warnaar

18 Histopathology of Serial Graft Biopsies From Liver Transplant Recipients
H. F. Eggink, N. Hofstee, C. H. Gips, R. A. F. Krom, and H. J. Houthoff

32 The Effect of a Single Infusion of Zymosan-Activated Plasma on the Pulmonary Microcirculation of Sheep: Structure-Function Relationships
Barbara O. Meyrick and Kenneth L. Brigham

46 Intracisternal Type A Particles in Murine Pancreatic B Cells: Immunocytochemical Demonstration of Increased Antigen (p73) in Genetically Diabetic Mice
Edward H. Leiter and Edward L. Kuff

56 Immunohistochemical Study of Pheochromocytomas: An Investigation of Methionine-Enkephalin, Vasoactive Intestinal Peptide, Somatostatin, Corticotropin, β -Endorphin, and Calcitonin in 16 Tumors
Jacques Hassoun, Geneviève Monges, Pierre Giraud, Jean François Henry, Colette Charpin, Henri Payan, and Maurice Toga

64 Redistribution of Catecholamines in the Ischemic Zone of the Dog Heart
Kathryn H. Muntz, Herbert K. Hagler, H. Jay Boulas, James T. Willerson, and L. Maximilian Buja

79 Human Atherosclerosis: I. Cell Constitution and Characteristics of Advanced Lesions of the Superficial Femoral Artery
Russell Ross, Thomas N. Wight, Eugene Strandness, and Brian Thiele

94 The Pathology of an Epizootic of Acquired Immunodeficiency in Rhesus Macaques
Kent G. Osborn, Srinivasa Prahalada, Linda J. Lowenstein, Murray B. Gardner, Don H. Maul, and Roy V. Henrickson

104 Foamy Cells Associated With Platelet Phagocytosis
Tokuhiro Ishihara, Shin'ichiro Akizuki, Tadaaki Yokota, Mutsuo Takahashi, Fumiya Uchino, and Noboru Matsumoto

112 Lipoprotein and Albumin Accumulation in Reendothelialized and Deendothelialized Aorta
Domenick J. Falcone, David P. Hajjar, and C. Richard Minick

121 Immunohistochemical Distinction of Human Carcinomas by Cytokeratin Typing With Monoclonal Antibodies
Elke Debus, Roland Moll, Werner W. Franke, Klaus Weber, and Mary Osborn

131 Endocrine Organ Metastases From Breast Carcinoma
Suzanne M. de la Monte, Grover M. Hutchins, and G. William Moore

137 Immunopathology of Experimental Cutaneous Leishmaniasis
Zilton A. Andrade, Steven G. Reed, Silene B. Roters, and Moysés Sadigursky

149 A Microassay for Colony-Stimulating Factor Based on Thymidine Incorporation
Michael B. Prystowsky, Marisa F. Naujokas, James N. Ihle, Eugene Goldwasser, and Frank W. Fitch

157 Glomerular Epithelial Cell Changes After Ischemia or Dehydration: Possible Role of Angiotensin II
Lorraine C. Racusen, Dorothy H. Prozialeck, and Kim Solez

164 Immunoperoxidase Demonstration of a New Muscle Protein (Z-Protein) in Myogenic Tumors as a Diagnostic Aid
Makio Mukai, Hisami Iri, Chikao Torikata, Keizo Kageyama, Yukihiko Morikawa, and Koichi Shimizu

171 Induction of Hepatic Peroxisome Proliferation in Nonrodent Species, Including Primates
Janardan K. Reddy, Narendra D. Lalwani, Saeed A. Qureshi, M. Kumudavalli Reddy, and Charles M. Moehle

184 Animal Model of Human Disease: Congenital Hydrocephalus
Dennis F. Kohn, Narumol Chinookoswong, and S. M. Chou

February 1984

187 Comparative Growth Dynamics and Morphology Between Cultured Myofibroblasts From Granulating Wounds and Dermal Fibroblasts
Jerry S. Vande Berg, Ross Rudolph, and Marilyn Woodward

201 Localization of Unesterified Cholesterol in Human Atherosclerotic Lesions: Demonstration of Filipin-Positive, Oil-Red-O-Negative Particles
Howard S. Kruth

209 Experimental *Trypanosoma cruzi* Cardiomyopathy in BALB/c Mice: The Potential Role of Intravascular Platelet Aggregation in Its Genesis
Marcos A. Rossi, Sonia Gonçalves, and R. Ribeiro-dos-Santos

217 Morphometric Study of Hepatocytes Containing Hepatitis B Surface Antigen
Mei-Ling Chen, Michael A. Gerber, Swan N. Thung, John C. Thornton, and W. K. Chung

222 Pathologic Changes in Murine Leishmaniasis (*Leishmania donovani*) With Special Reference to the Dynamics of Granuloma Formation in the Liver
Yezid Gutierrez, John A. Maksem, and Neil E. Reiner

231 The Early Changes Induced by Isoproterenol in the Endocardium and Adjacent Myocardium
Alberto A. Noronha-Dutra, Elinor M. Steen, and Neville Woolf

240 Macrophage Function in the *Schistosoma mansoni* Egg-Induced Pulmonary Granuloma: Role of Arachidonic Acid Metabolites in Macrophage Ia Antigen Expression
Steven L. Kunkel, Stephen W. Chensue, Michael Plewa, and Gene I. Higashi

250 A High-Molecular-Weight Trypsinlike Protease in the Skin Sites of Delayed Hypersensitivity in Guinea Pigs
Tadashi Nakamura, Tetsuro Yamamoto, Takashi Ishimatsu, and Takeshi Kambara

264 Histogenesis of Clear Cell Sarcoma of Tendons and Aponeuroses: An Electron-Microscopic, Biochemical, Enzyme Histochemical, and Immunohistochemical Study
Makio Mukai, Chikao Torikata, Hisami Iri, Atsuo Mikata, Toshiaki Kawai, Hideya Hanaoka, Kazuhiro Yakumaru, and Keizo Kageyama

273 Keratin Proteins in Human Lung Carcinomas: Combined Use of Morphology, Keratin Immunocytochemistry, and Keratin Immunoprecipitation
Susan P. Banks-Schlegel, Elizabeth M. McDowell, Thomas S. Wilson, Benjamin F. Trump, and Curtis C. Harris

287 Light- and Electron-Microscopic Autoradiographic Analysis of Proliferating Cells During the Early Stages of Chemical Hepatocarcinogenesis in the Rat Induced by Feeding N-2-Fluorenylacetamide in a Choline-Deficient Diet
Stewart Sell and Joanne Salman

301 Effects of Irradiation on the Interaction of Fluorescent Probes With Lymphocytes
Jim C. Standefer, Robert E. Anderson, Mark Wilder, and John Martin

309 Monoclonal Antibodies to Human Intermediate Filament Proteins: II. Distribution of Filament Proteins in Normal Human Tissues
Allen M. Gown and Arthur M. Vogel

322 Alterations in Pulmonary Ultrastructure and Morphometric Parameters Induced by Parainfluenza (Sendai) Virus in Rats During Postnatal Growth
William L. Castleman

336 Spontaneous Platelet Aggregation in a Hereditary Giant Platelet Syndrome (MPS)
John G. Milton, M. M. Frojmovic, S. S. Tang, and J. G. White

346 Animal Model of Human Disease: Proliferative Glomerulonephritis Associated With Polyclonal B-Cell Activation
Tito Cavallo, Michel Goldman, and Paul-Henri Lambert

March 1984

349 Ultrastructural Lesions of the Liver in Human Peliosis: A Report of 12 Cases
Elie S. Zafrani, Alain Cazier, Anne-Marie Baudelot, and Gérard Feldmann

360 Nude Mice as Models for Human Leukemia Studies
Gene K. Potter, Rong Nian Shen, and Jen Wei Chiao

367 Ultrastructural Alterations in the Atrial Myocardium of Pigs With Acute Monensin Toxicosis
John F. Van Vleet and Victor J. Ferrans

380 Immunoperoxidase Staining of Early Human Melanoma Colonies With Monoclonal Antibodies: A New Method for *In Vitro* Antigenic-Morphologic Correlation
Gordon M. Nakano, Ronald B. Natale, Albert F. Lobuglio, and Alan N. Houghton

387 Phenotypic Expression of B-Lymphocytes: 1. Identification With Monoclonal Antibodies in Normal Lymphoid Tissues
Su-Ming Hsu and Elaine S. Jaffe

396 Phenotypic Expression of B-Lymphocytes: 2. Immunoglobulin Expression of Germinal Center Cells
Su-Ming Hsu and Elaine S. Jaffe

403 An Ultrastructural Comparison of Carcinogen-Associated and Spontaneous Aortic Lesions in the Cockerel
Geary Batastini and Arthur Penn

410 Differential Effects of Complement Activation Induced by Cobra Venom Factor on Pulmonary Transvascular Fluid and Protein Exchange
A. Johnson, F. A. Blumenstock, M. Hussain, and A. B. Malik

418 Studies on the Proliferation and Fate of Oval Cells in the Liver of Rats Treated

With 2-Acetylaminofluorene and Partial Hepatectomy
Masae Tatematsu, R. H. Ho, Tohru Kaku, J. K. Ekem, and Emmanuel Farber

431 Amyloid Deposits in Bioprosthetic Cardiac Valves After Long-Term Implantation in Man: A New Localization of Amyloidosis
Yves A. Goffin, Erik Gruys, George D. Sorenson, and Francis Wellens

443 Antigen-Specific Demyelination and Significance of the Bystander Effect in Peripheral Nerves
H. C. Powell, S. L. Braheny, R. A. C. Hughes, and P. W. Lampert

454 Skin Calcium-Binding Protein in Squamous Metaplasia of Human Uterine Cervix
J. H. Pavlovitch, A. L. Delezioide, L. Didierjean, J. H. Saurat, and A. Pfister

461 Ultrastructural Alterations in Skeletal Muscle of Pigs With Acute Monensin Myotoxicosis
John F. Van Vleet and Victor J. Ferrans

472 Ultrastructural Changes in Intraacinar Pulmonary Veins: Relationship to 3-Methylindole-Induced Acute Pulmonary Edema and Pulmonary Arterial Changes in Cattle
O. S. Atwal and M. S. Persofsky

487 Morphologic and Biochemical Studies of Canine Mucopolysaccharidosis I
Robert M. Shull, R. Gayman Helman, Elizabeth Spellacy, George Constantopoulos, Robert J. Munger, and Elizabeth F. Neufeld

496 Neuropathology of Spiroplasma Infection in the Rat Brain
F. O. Bastian, D. M. Purnell, and J. G. Tully

515 **Animal Model of Human Disease: Pulmonary Granulomatous Vasculitis:** Pulmonary Granulomatous Vasculitis Induced in Rats by Treatment With Glucan
Kent J. Johnson, Michael Glovsky, and Denis Schrier

517 Index of Subjects

519 Index of Authors